Today’s military and government missions require high-throughput, reliable, secure communications that enable leadership and operators to share information anywhere within moments. Viasat arms airborne missions for ISR, Command & Control, and en-route connectivity with true broadband via satellite for timely delivery of data-rich content to warfighters at the edge and commanders around the world. Viasat’s airborne satellite communications services offer worldwide access and a range of service levels providing connectivity and performance options tailored to meet a variety of needs. Network performance is optimized for reliable, secure two-way mobile broadband, so that airborne operators have the capability to send full-motion video, make secure phone calls, conduct video conferences, access classified networks, and perform mission-critical communications while in flight.
Real-Time ISR with HD Video

Don’t fight today’s battle with yesterday’s ISR. Modern military operations hinge on current, actionable data collection, analysis, and dissemination. Ideally, as airborne sensors capture video, SAR, and other data, on-board analysts prepare content for transmission over the horizon to commanders in theater and to warfighters at the edge within moments.

For airborne ISR missions, Viasat private managed networks deliver critical intelligence such as HD full-motion video into theater, while military and political leaders stationed beyond the horizon can monitor a mission’s progression throughout execution. Viasat’s private managed airborne networks are proven to support multiple simultaneous aircraft in-flight (termed simultaneous operations or SIMOPS). Dozens of compatible airborne satcom terminals, hubs and ground infrastructure—some located in DISA teleports—can access US Department of Defense and coalition data entry points around the world.

You can focus on your ISR mission, because we have built the network that reliably and securely delivers your ISR content.

C3 and VIP Transport Enroute Communications

No matter where your airborne mission takes you, Viasat keeps you connected with a true broadband experience to meet your VIP Transport and Command, Control, and Communications (C3) mobile requirements. With high-capacity networks and a range of service plan options, the Viasat Global Network provides the bandwidth you require to execute the missions you serve. Viasat’s worldwide airborne satcom services have delivered media-rich two-way IP communications for data, VoIP, VTC, and internet access for in-flight users in over 300 fixed-wing government aircraft ranging from King Air-modified MC-12s to wide-body C-17s.

With Viasat price plans, satcom service costs are predictable and more affordable while delivering broadband access speeds that feel like you never left the ground.

From your office in the sky, send and receive emails with attachments; securely access SIPR, NIPR, and other private networks; run IP applications; place and receive phone calls; send and receive streaming video; and conduct video conferences—all while on the move.
Broadband Airborne Communications Services Anywhere Around the World

With Viasat’s worldwide network, you get mobile broadband service wherever your mission takes you—whether over the most challenging terrain or the world’s oceans. Viasat airborne broadband services provide beyond-line-of-sight mobile communications support to capacity-driven applications in key regions of the world including the Middle East, Africa, Southeast Asia, Australia, and the US.

- Over 2500 MHz of Bandwidth
- Global Ku-band with Ka Overlays
- DoD Gateway Entry Points
- Secured NOC with Cleared Operators

Worldwide Technical Support

Whether around the globe, or around the clock, for network operation or in-country field service, our experienced personnel are available to help your mission succeed and provide essential technical support. Viasat has established a robust, tiered organizational structure—including TS/SCI-cleared field service representatives deployed worldwide—to provide services, support customer operations, or resolve issues.

Regional, Private In-theater Network Support Tailored to Your Requirements

Viasat can tailor your service plan, with geographic coverage areas and network infrastructure, to suit your CONOPs and satcom requirements, whether a single aircraft or an entire fleet. For military missions such as ISR that are concentrated over a specific region, we can stand up private in-theater networks that offer exclusive bandwidth via a service level agreement. With any regional or private network plan, worldwide shared-access network service is also available if your mission requires it.

Service Plans with Options for Advanced Connectivity and Performance

The available tiered levels of service on Viasat’s network provide VIP and senior leadership airborne broadband connectivity to SIPR, NIPR and public networks during extensive continental or transoceanic flights. Service plans are structured to address common use cases allowing customers to select a desired range of connectivity and performance levels. These include standard, premium, and priority access levels, with assured performance when the mission warrants it.
Powering Airborne Broadband Satcom Missions

Equipment Qualified for Your Aircraft, Optimized for Your Mission

Viasat has a full range of airborne terminals and antennas to support virtually any government or commercial aircraft, such as the C-130, C-17, MC-135, C-37, PC-12, rotary-wing aircraft, UAVs, Gulfstream, De Havilland, Pilatus platforms and more. These terminals have powered thousands of missions, logging over 750,000 flight hours in theater alone. Viasat systems are FAA, EASA, JITC, NSA, and FCC licensed or certified and approved for installation and secure network operation by US military forces. With antennas as small as 11.5 inches and total shipset weights of around 35 pounds, these Ku and Ka systems are designed for easy roll-on/roll-off or fixed installation on a wide variety of airborne platforms.

Transforming Broadband Communications

As skyrocketing demand for satellite bandwidth outpaces military supply, Viasat is bridging the connectivity gap with abundant capacity and affordable satellite services. We are transforming satellite broadband with the operation of Viasat-1, a 140 Gbps satellite system that provides more capacity than all previous satellites over North America combined. In addition, Viasat is providing its satcom technology and teaming with the world’s top satellite operators to fulfill high-capacity bandwidth needs around the globe. With an integrated design optimized for high-throughput performance from the satellite all the way to the airborne terminal, Viasat is committed to offering unrivaled capacity, speed, and affordability, with a seamless evolution to even greater mission capability in the future.

CONTACT

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